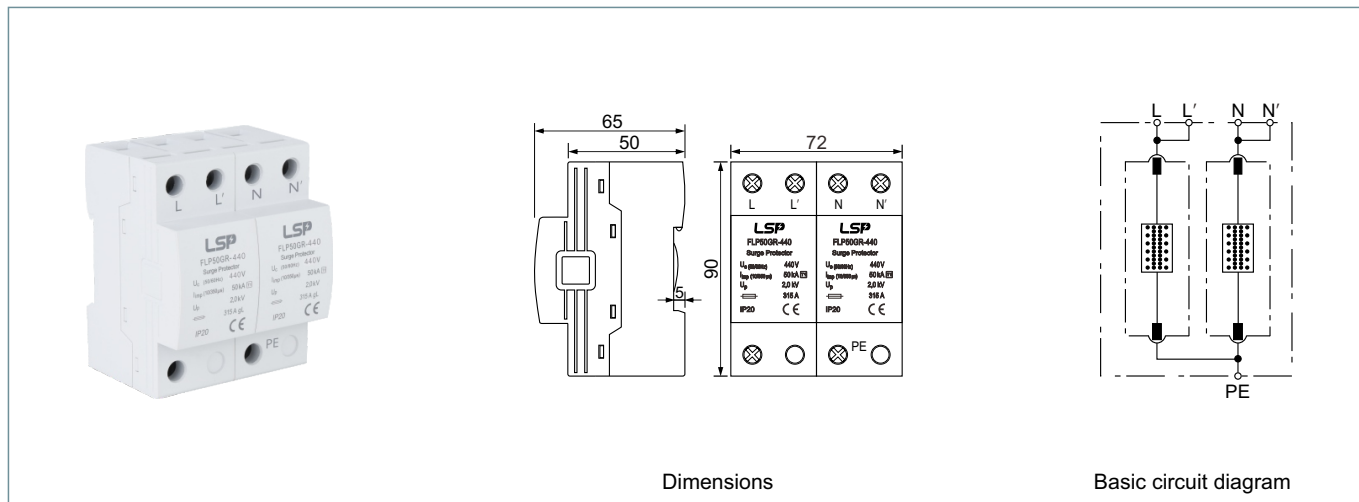


FLP50GR-440/2

Integral housing coordinated lightning current and surge arrester for protecting single-phase TN systems against surges.

- Coordinated spark-gap-based lightning current and surge arrester
- Maximum systems availability due to RADAX Flow follow current limitation
- Capable of protecting terminal equipment



Dimensions

Basic circuit diagram

Type		FLP50GR-440/2
SPD according to EN 61643-11 / IEC 61643-11		type 1 / class I
Nominal a.c. voltage	U_n	400 V AC (50/60 Hz)
Max. continuous operating a.c. voltage	U_c	440 V AC (50/60 Hz)
Lightning impulse current (10/350 μ s) [L+N-PE]	I_{total}	100 kA
Specific energy [L+N-PE] (W/R)		625,00 kJ/ohms
Lightning impulse current (10/350 μ s) [L, N-PE]	I_{imp}	50 kA
Specific energy [L, N-PE] (W/R)		1,25 MJ/ohms
Nominal discharge current (8/20 μ s) [L/N-PE]/[L+N-PE]	I_n	50 kA / 100 kA
Voltage protection level [L-PE]/[N-PE]	U_p	2,0 kV / 2,0 kV
Follow current extinguishing capability a.c.	I_f	50 kA _{rms}
Follow current limitation / Selectivity		no tripping of a 20 A gL/gG fuse up to 50 kA _{rms} (prosp.)
Response time	t_A	< 100 ns
Max. backup fuse (L) up to $I_k = 50$ kA _{rms} ($t_a < 0,2$ s)		500 A gL/gG
Max. backup fuse (L) up to $I_k = 50$ kA _{rms} ($t_a < 5$ s)		315 A gL/gG
Max. backup fuse (L) up to $I_k > 50$ kA _{rms}		200 A gL/gG
Max. backup fuse (L-L')		125 A gL/gG
Temporary overvoltage (TOV) [L-N] (U_T) - Characteristic		765 V / 120 min. - withstand
Range of operating temperatures [parallel] / [series]	T_U	-40...+80°C / -40...+60°C
Operating state / fault indication		-
Number of ports		1
Cross-sectional area (L, L', N, N', PE) (min.)		10 mm ² solid / flexible
Cross-sectional area (L, N, PE) (max.)		50 mm ² stranded / 35 mm ² flexible
Cross-sectional area (L', N') (max.)		35 mm ² stranded / 25 mm ² flexible
For mounting on		35 mm DIN rail acc. to EN 60715
Enclosure material		thermoplastic
Place of installation		indoor installation
Degree of protection		IP20
Capacity		4 module(s), DIN 43880
Approvals		CE